

Title (en)

METHOD AND APPARATUS FOR MEASURING CONTINUOUS BLOOD FLOW AT LOW POWER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MESSUNG VON KONTINUIERLICHER BLUTSTRÖMUNG MIT GERINGER LEISTUNG

Title (fr)

PROCEDE ET APPAREIL DE MESURE DU FLUX SANGUIN CONTINU A FAIBLE NIVEAU D'ENERGIE

Publication

EP 0712290 A1 19960522 (EN)

Application

EP 94925821 A 19940811

Priority

- US 9409064 W 19940811
- US 10606893 A 19930813

Abstract (en)

[origin: US6203501B1] A technique for determining blood flow in a living body by changing the thermal energy level by a predetermined amount at a site in a blood flow path and detecting temperatures at locations upstream and downstream of the site. The temperature difference at such locations is determined and the blood flow is calculated as a function of the change in energy level and of the temperature differences measured prior to and following the change in energy level.

IPC 1-7

A61B 5/00

IPC 8 full level

A61B 5/01 (2006.01); **A61B 5/028** (2006.01); **A61B 5/029** (2006.01)

CPC (source: EP US)

A61B 5/028 (2013.01 - EP US); **A61B 5/029** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

US 6203501 B1 20010320; CA 2169374 A1 19950223; EP 0712290 A1 19960522; EP 0712290 A4 19960703; JP 2004195251 A 20040715; JP 3557211 B2 20040825; JP H09501591 A 19970218; US 2001000792 A1 20010503; US 2003120162 A1 20030626; US 5692514 A 19971202; US 5797398 A 19980825; US 6165132 A 20001226; US 6565516 B2 20030520; US 6913576 B2 20050705; WO 9505115 A2 19950223; WO 9505115 A3 19950413

DOCDB simple family (application)

US 94636697 A 19971007; CA 2169374 A 19940811; EP 94925821 A 19940811; JP 2004065117 A 20040309; JP 50706695 A 19940811; US 10606893 A 19930813; US 36477303 A 20030211; US 44920595 A 19950524; US 73359500 A 20001208; US 9409064 W 19940811; US 94636797 A 19971007